L Number	Hits	Search Text	DB	Time stamp
1	272	(623/21.18,20.15,20.29,20.33,22.18,23.41,14	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/15 11:02
2	10	(("5871545") or ("5871542") or ("5246460") or ("5226919") or ("5314482")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/15 11:06
3	8	(("4309778") or ("4471158") or ("5766259")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/15 11:07
4	8	(("4309778") or ("4470158") or ("5766259")).PN.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/12/15 11:07
5	9	("3872519" | "3987500" | "4156944" | "4232404" | "4340978" | "4470158" | "4755185" | "5122144" | "5326365").PN.	USPAT	2003/12/15 11:11
6	2	5766259.URPN.	USPAT	2003/12/15 11:18
7	11	("Re29757" | "3869731" | "4001896" | "4016606" | "4021864" | "4040131" | "4081866" | "4085466" | "4207627" | "4209861" | "4224697").PN.	USPAT	2003/12/15 11:19
8	52	4309778.URPN.	USPAT	2003/12/15 11:24

	Document ID	KSc	Issue Da	Pag	Title
1	US 5906643 A	U	19990525	8	Stabilised m
2	US 3872519 A	U	19750325	6	Total ankle

US005906643A

United States Patent [19]

Walker

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[54] **STABILISED MOBILE BEARING KNEE**

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[58] Field of Search 623/16, 18, 20

[56] **References Cited**

U.S. PATENT DOCUMENTS

4,224,697	9/1980	Murray et al.	623/20
5,116,375	5/1992	Hofmann	623/20
5,314,483	5/1994	Wehrli et al.	623/20
5,330,534	7/1994	Herrington et al. .	
5,370,699	12/1994	Hood et al.	623/20
5,370,701	12/1994	Fisa	623/20
5,387,240	2/1995	Pottenger et al.	623/20
5,395,401	3/1995	Bahler	623/20
5,609,639	3/1997	Walker	623/20
5,658,342	8/1997	Draganich et al.	623/20
5,683,466	11/1997	Pappas	623/20

FOREIGN PATENT DOCUMENTS

0 381 332 A1	8/1990	European Pat. Off. .
0 510 259 A1	10/1992	European Pat. Off. .
0 627 209 A2	12/1994	European Pat. Off. .
WO 94/26212	12/1994	WIPO .

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Attorney, Agent, or Firm—Burns, Doane, Swecker & Mathis LLP

[57] **ABSTRACT**

A prosthesis for total knee replacement (TKR) includes: a femoral component having a pair of condylar-bearing surfaces (10,12), a tibial component having a tibial platform (22) with an upstanding abutment (18) located between the condylar-bearing surfaces, and a meniscal component (15) interposed between the condylar-bearing surface and the tibial platform for sliding movement in the anterior-posterior (A-P) direction. The femoral component has an intercondylar projecting surface (20) adapted to contact the upstanding abutment at high degrees of flexion so as to influence the sliding movement of the meniscal component in a posterior direction.

12 Claims, 4 Drawing Sheets